

ABSTRACT OF THE DISCLOSURE

5 A dental appliance having increased or decreased
thickness between an upper shell and a lower shell in
combination with a hinging mechanism and a system and a
method for treating malocclusions are provided. The dental
appliance may have an upper shell and a lower shell which
receive upper teeth and lower teeth, respectively, of a
user. The upper shell and the lower shell may be attached
at a hinge. The dental appliance may have an increased
10 thickness between the upper shell and the lower shell as
well as an increased thickness of the hinge. In an
embodiment, the dental appliance may have a decreased
vertical thickness and an insertable hinging mechanism.
The dental appliance may then extend treatment of
15 malocclusions to the rear teeth of the user and may correct
a dental condition, such as, for example, overbite,
overjet, open bite, crowding, rotations, spacing, cross-
bites, gummy smiles and temporomandibular joint problems.